

NOVASCOTIA
Natural Resources
MINERAL RESOURCES BRANCH

**MINERAL RESOURCE LAND-USE MAP
OF THE MERIGOMISH AREA (11E/9) (1:50 000)**
OFM ME 2000-4 (11E/9)
Version 2

**11E/9
Merigomish**

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Halifax, Nova Scotia

Scale 1 : 50 000

Metres

A total of 98 thematic (1:50 000 scale) Mineral Resource Land Use (MRLU) maps combine to form a thematic atlas, which covers the province of Nova Scotia including all near-shore islands and Sable Island. The main purpose in preparing this Atlas is to provide the public with a simple geographic compilation of mineral resource and related land-use information at a reasonably detailed scale. A key objective is to create a useful reference for practitioners working in land-use and environmental planning, geotechnical firms and groups involved in community economic development.

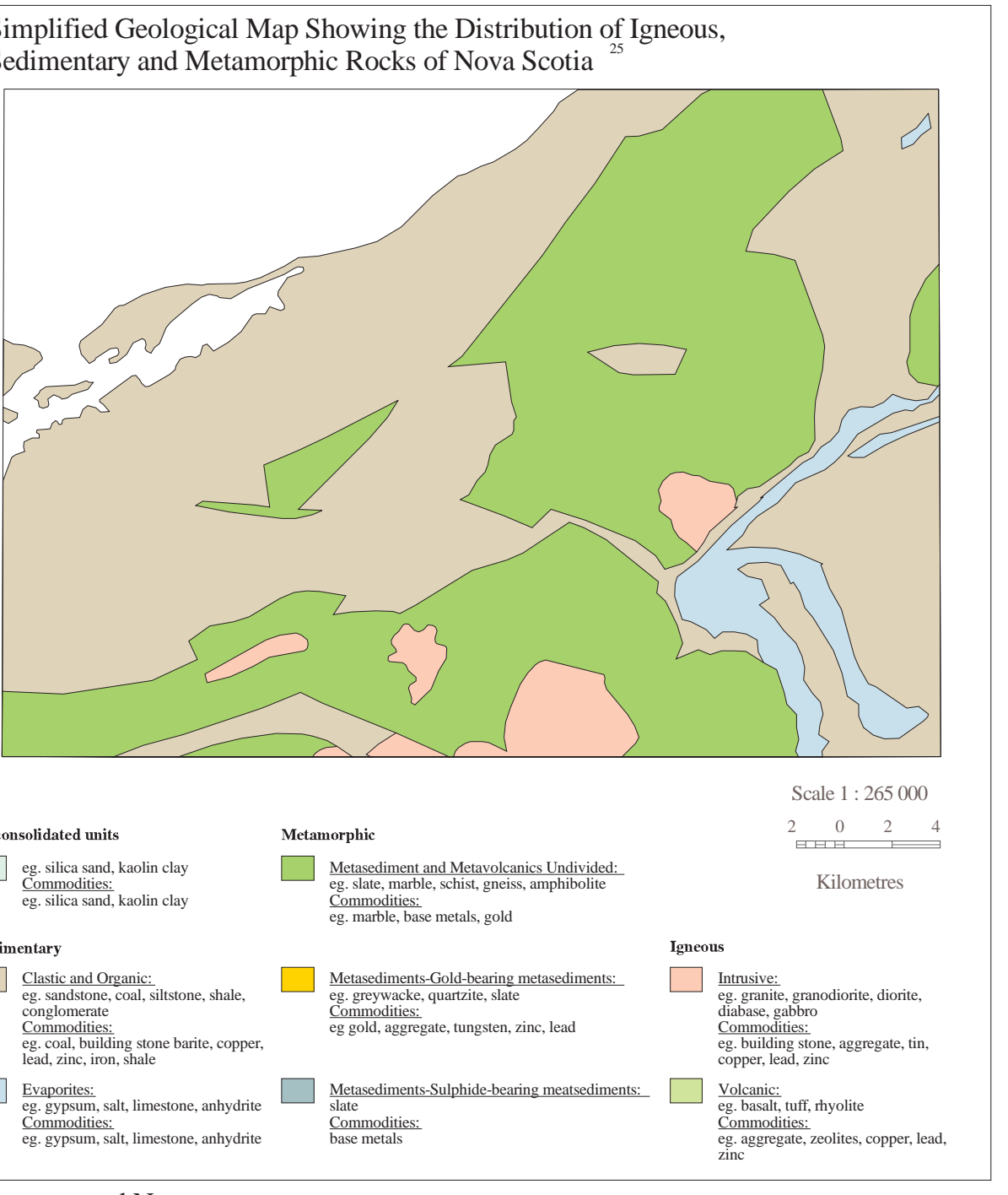
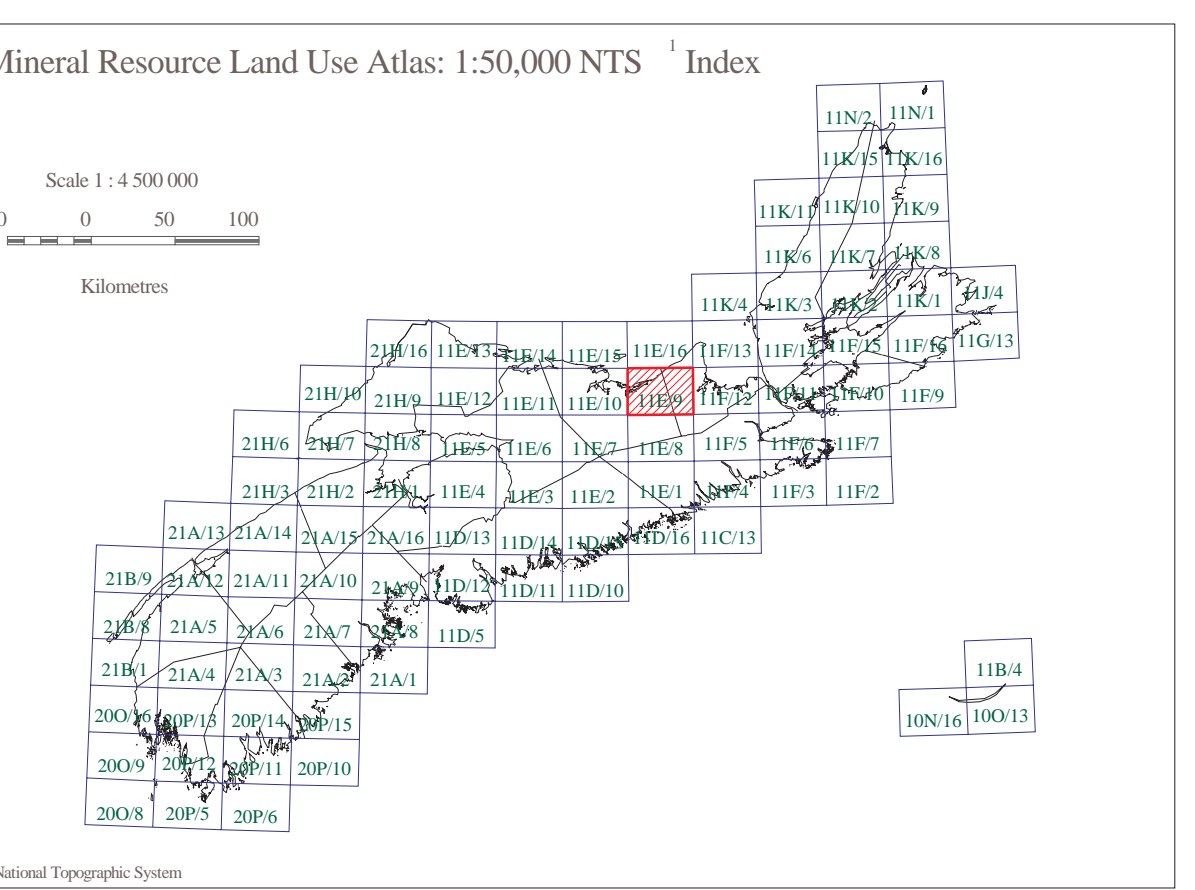
The MRLU maps display the location and distribution of mineral and energy resources and related activities as well as aspects of environmental geology that relate to land-use and environmental planning. Special land-use designations on Crown and some privately-owned land are shown to indicate how Nova Scotia's land base varies regarding the ability of mineral resource interests to access land and hold secure tenure. Please note: Because these maps were compiled from many different data sources with different scales and projections, some of the overlapping thematic data appears "distorted" relative to each other.

Over the course of developing this project, several companies have contributed to the preparation of these maps, which involved gathering and organizing data from databases managed by the department as well as other government departments, agencies and non-government organizations. The mineral complexes include: David Hopper, Cheryl Dubois, Geoffrey Katz, Hugh Collins, Fred Bonner, Janet Webster, and Mia Nyren. The digital complex includes: Fred Bonner, Brian Fisher, Beth Wile, Lisa Hills, Angela Murphy and Jeffrey McKinnon. Original maps and data layers should be directed to: Nova Scotia Department of Natural Resources, Library, PO Box 698, Halifax, Nova Scotia, B3J 2Y9. Telephone: (902) 424-8188; Fax: (902) 424-3375; E-Mail: mapinfo@ns.ca.

Base data derived from the Nova Scotia Topographic Database (NSTDB). Copyright Her Majesty the Queen in Right of the Province of Nova Scotia. The NSTDB is available from the Service Nova Scotia & Municipal Relations, Nova Scotia Geographic Centre (NSGCG), Antigonish, Nova Scotia.

This map was generated from information stored in the Mineral Resources Branch (MRB) Geographic Information System of the Nova Scotia Department of Natural Resources (NSDNR).

The thematic information shown on this map came from many different government and non-government sources. The NSDNR accepts no liability for errors, omissions or faults on the map. Since land-use information is dynamic, and subject to change over time, updated versions of this map will be provided in the future. This map should not be used for legal purposes and should only be used at the scale portrayed on the map.



References and Notes

Mineral occurrence database. NSDNR. 1999. Digital Geoscience Data Product DP001B, Version 3. 1998. This database can be used with DP001A, the Mineral Occurrence Query Program, which is a viewing and searching program with instructional manual for use with Mineral Occurrence Database. See: <http://www.gov.ns.ca/naturalresources/pubs/2000/01/01.htm>

Claim Reference Maps, Mineral and Petroleum Titles. NSDNR, undated. Scale 1:31 680.

Grid and iron districts are no longer a legal entity, although the term is still used in the literature, and so the former surveyed district boundaries are not shown. Instead a polygon is shown to flag the former mining camps and encompasses most of the basic, underground workings and related mineral occurrences. Digital data set provided by NSDNR, Mineral Resources Branch.

Evaluation of Nova Scotia's Potential Resources. A.R. Anderson and W. A. Broughan, 1988. NSDNR Bulletin ME 99/09 and 3 maps, scale 1:250 000.

Aggregate Resources Map, Cape Breton Island. W.J. Wright, 1985. NSDNR Maps ME 1985-3, 1985-4, 1985-5 and 1985-6. Scale 1:125 000. Maps show the type, quality and observed thickness of sand and gravel deposits.

Aggregate Potential of Cumberland and Colchester Counties, 14 Preliminary Map Sheets. G. Price, 1991. NSDNR OFM ME 1991-18. Scale 1:50 000.

Sand and Gravel Occurrences of Nova Scotia. J.F. Fowler and G.B. Dickie, 1978. NSDNR ORR 378 (7) maps, Scale 1:50 000.

Digital data set provided by NSDNR, Mineral Development and Policy Section.

Surface Petroleum Shows, Onshore Nova Scotia. G. Short, 1986. NSDNR IS ME 11. March 1986, pp33. See: <http://www.gov.ns.ca/naturalresources/pubs/2000/01/01.htm>

Petroleum Wells and Drillholes with Petroleum Significance, Onshore Nova Scotia. P.C. McWhorter, G. Short, and D. Walker, 1986. NSDNR IS ME 10, pp194. See: <http://www.gov.ns.ca/naturalresources/pubs/2000/01/01.htm>

Abandoned Mine Openings Database. NSDNR. 1999. Digital Geoscience Data Product DP001B, Version 2. 2000. Digital data set showing the location, type, quality and observed thickness of sand and gravel deposits. See: <http://www.gov.ns.ca/naturalresources/pubs/2000/01/01.htm>

Districts database. NSDNR. 2000. Digital Geoscience Data Product DP001B, Version 2. 2000. Digital data set showing the location, type, quality and observed thickness of sand and gravel deposits. See: <http://www.gov.ns.ca/naturalresources/pubs/2000/01/01.htm>

Geological Map of the Province of Nova Scotia. J. D. Kerpel, 2000. NSDNR Map ME 2000-1. Scale 1:300 000. Digital Geoscience Data Product D00-01, Version 1, 2000. See: <http://www.gov.ns.ca/naturalresources/pubs/2000/01/01.htm>

Units showing sulphate bearing slates are mainly Halifax Formation rocks which may contain bands of arsenic-bearing slates which will likely produce acid drainage.

Units showing potential karst areas are mainly early Windsor Formation rocks which consist of pyram, anthracite and limestone which under certain conditions can develop sinkholes and are thereby potential for groundwater contamination.

Geological Highway Map of Nova Scotia, Second Edition. H.V. Donohue, Jr., and R.G. Greenham, 1989. Scale 1:500 000. NSDNR, OF ME 1989-1. (Automobile Geoscience). Special Publication Number 10. (Note: the sites shown are meant to provide additional information for motorist promotion.)

Simplified geological map showing the distribution of igneous, sedimentary and metamorphic rocks of Nova Scotia. Hopper, F.J., Fisher, B.E., and Hopper, G.B., 2000. Map in progress, scale 1:50 000.

Data sets digitized from maps provided by the Canadian Department of Natural Resources.

Data set provided by the Nova Scotia Department of Agriculture and Fisheries.

© "Registered and Limited Use Land Database. NSDNR. Digital Data Product DP DNR 002, 2002. See: <http://www.gov.ns.ca/naturalresources/pubs/2000/01/01.htm>

NSDNR, Renewable Resources Branch, Parks and Recreation Division.

Nova Scotia Department of Environment and Labour, Protected Areas Division.

NSDNR, Land Services Branch, Surveys Division.

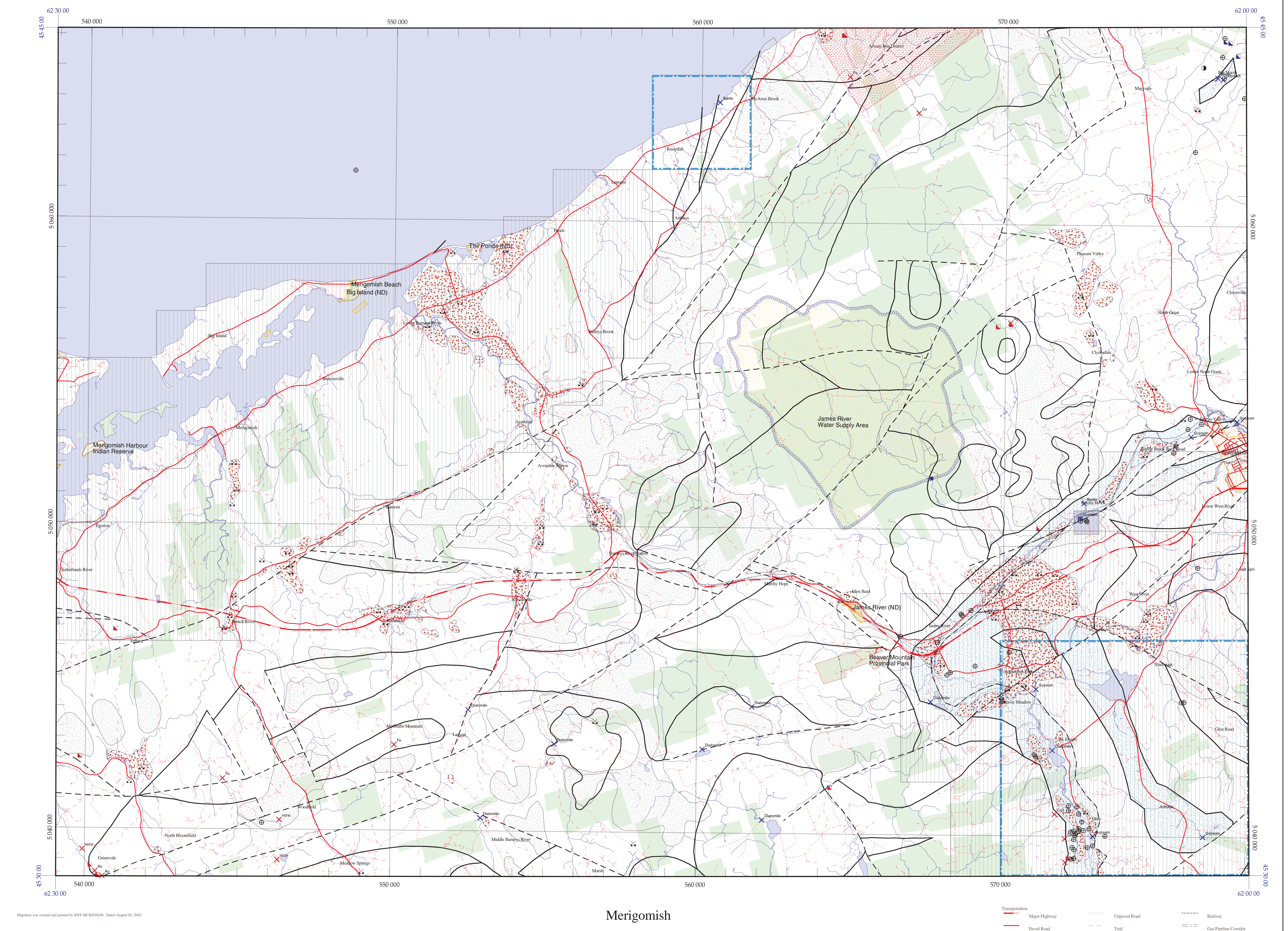
Parks Canada

NSDNR, Renewable Resources Branch, Wildlife Division.

NSDNR and Canadian Wildlife Services.

Nature Conservancy of Canada.

NSDNR, Mineral Resources Branch.



MINERAL AND AGGREGATE RESOURCES

- Mineral Occurrence (metallic, non-metallic) ¹
- Active Mine Boundary ² (metallic, non-metallic) (lease/permit boundary)
- Gold Mining Area ³ (former gold district)
- Iron Mining Area ³ (former iron district)
- Crown Limestone Area ²
- Sand/Gravel Deposit ^{5a7}
- Aggregate Pit/Quarry ^{5a7}
- Horticultural Peat Occurrence ⁴

ENERGY RESOURCES

- Active Coal Mine ² (lease/permit boundary)
- Coal Seam Trace ⁴
- Fuel Peat Occurrence ⁴
- Geothermal Resource Area ²
- Surface Petroleum Show ⁹
- Well /Drill hole with Petroleum Significance ¹⁰
- Underground Gas Storage ² (exploration area, exploration permit)
- Faults ¹¹

GEOLOGY FOR LAND-USE / ENVIRONMENTAL PLANNING

- Areal Extent of Underground Coal Mine Workings ⁸
- Abandoned Underground Mine Opening (metallic, non-metallic, coal) ¹¹
- Abandoned/Inactive Surface Mine/Quarry ⁸ (Data is not available at this time)
- Reclaimed Surface Mine Site ⁸ (Data is not available at this time)
- Drill Hole ¹²
- Sulphide-bearing Slate ^{13a}
- Geological Contacts ^{2b}
- Faults ¹¹

- Potential Karst Area ^{13b}
- Exposed Bedrock/Thin Till Cover ¹⁶
- Drumlin ¹⁶
- Flood Risk Area ¹⁷ (20 yr. flood level)
- Water Supply Watershed Intake ^{17a9} (→)
- Water Supply Well ¹⁷ (Municipal)
- Special Geological Interest ¹⁸

LAND DESIGNATION AND ACCESS

The land owner's permission is required to gain access to any land in Nova Scotia. (Strictly to access to commercial and industrial use by order of legislation, regulation, policy or private interest.)

- Protected Area
- National Parks and Adjacent ¹⁹ National Historic Site and Parks ²⁰ National Wildlife Management Areas ²¹ National Defence Land ²² National Wildlife Sanctuaries, Designated Provincial Park and Park Reserve ²³ Wilderness Areas ²⁴ Protected Reaches, Mineral Closure ²⁵ Nature Conservancy of Canada (NCC) ²⁶ Areas under the Special Places Act ²⁷ Flight 111 Act
- Limited Access Area
- Provincial Game Sanctuaries ²⁸ Provincial Wildlife Management Areas ²⁹ Water Supply Areas (Designated and Non-Designated) ³⁰ Canadian Heritage Rivers ³¹ Indian Reserve Lands ³² Lottery Areas ³³ Sites of Ecological Significance (SES) ³⁴ Purple's Cove Preservation Area, Aquacultural Areas, Pipeline Corridor, Operational Non-Designated Parks and Reserves (NCC), Non-Designated Rail Corridor ³⁵ Ramsar Wetland Sites ³⁶ Liasium Habitat Joint Venture Lands (EHV) ³⁷ and Trails Act Lands ³⁸
- General Access Area
- Privately Owned Land